

On page 36, on line 26, after "YXDD" replace "Seq ID No. 43" with -- SEQ ID NO:50 --.

On page 37, on line 5, after "alanine" replace "Seq ID No. 44" with -- SEQ ID NO:51 --.

On page 37, on line 9, after "isoleucine" replace "Seq ID No. 45" with -- SEQ ID NO:52 --.

On page 37, on line 13, after "glycine" replace "Seq ID No. 46" with -- SEQ ID NO:53 --.

#### IN THE CLAIMS

Amend the claims as follows:

In claim 1 as twice amended, in line 5, replace "43" with -- 50 --.

In claim 2 as twice amended, in line 9, replace "44" with -- 51 --.

In claim 3 as twice amended, in line 6, after "isoleucine" insert -- as shown in SEQ ID NO:52 --.

In claim 4 as twice amended, in line 6, replace "45" with -- 53 --.

In claim 5 as thrice amended, in line 2, replace "30-36" with -- 32-38 --.

62  
Claim 6. (twice amended) The bacterial RT of claim 1 wherein the sequence is located in subdomain 5 shown in Figure 14 at positions 175-191 of SEQ ID NO: 32, at positions 175-191 of SEQ ID NO: 33, at positions 175-191 of SEQ ID NO: 34, at positions

G2  
Cont 168-184 of SEQ ID NO: 35, at positions 159-175 of SEQ ID NO: 36,  
at positions 171-187 of SEQ ID NO: 37, and at positions 157-173  
of SEQ ID NO: 38.

---

In claim 7 as twice amended, in line 3, after "Figure 14",  
insert -- of SEQ ID NOs: 32-38 --.

---

In claim 8 as twice amended, in line 3, after "the  
sequences", insert -- SEQ ID NOs: 32-38 --.

---

Sul K6  
G3  
G Claim 12. (Twice amended) The isolated and purified RT of  
claim 4 in which the amino acid sequences Ser-Xaa-Xaa<sub>1</sub>-Xaa<sub>2</sub> (SEQ  
ID NO:51) Asn-Xaa-Xaa<sub>1</sub>, Tyr-Xaa-Asp-Asp (SEQ ID NO:50), and  
Xaa-Val-Thr-Gly (SEQ ID NO:52) are arranged in order starting  
from the amino terminal end of the RT.

---

In claim 15, at line 2, after "YXDD" insert -- SEQ ID NO:50  
--.

---

In claim 16, at line 1, after "X" insert -- (SEQ  
ID NO:50) --.

---

In claim 17, at line 3, after "Xaa-Asp-Asp" insert -- (SEQ  
ID NO:50) -- and after "Ser-Xaa-Xaa<sub>1</sub>-Xaa<sub>2</sub>" insert -- (SEQ ID  
NO:51)--, and at line 10, after "Xaa<sub>6</sub>-Val-Thr-Gly" insert -- (SEQ  
ID NO:52).

---

#### REMARKS

This paper is submitted in response to a Notice To Comply  
With Requirements For Patent Applications Containing Nucleotide  
Sequence And/Or Amino Acid Sequence Disclosures. A copy of the  
notice accompanies this submission.